

## CLAIMS

What is claimed is:

1. A dialyzer comprising a substantially cylindrical case,  
5 a hollow fiber bundle made of a plurality of hollow fiber membranes  
provided in the case, a gap formed between an inner wall of the  
case and the hollow fiber bundle, a blood flow path formed by  
lumens of the hollow fiber membranes, a dialysate flow path formed  
by the gap between the inner wall of the case and the hollow fiber  
10 membranes and gaps between the hollow fiber membranes, and a  
cylindrical elastic tube inserted in the gap between the inner wall  
of the case and the hollow fiber bundle and substantially  
contacting the inner wall of the case.
- 15 2. A dialyzer according to claim 1, wherein a rib is formed  
on an outer circumferential surface of the elastic tube.
3. A dialyzer according to claim 1, wherein a lubricant is  
provided between an outer surface of the elastic tube and the inner  
20 wall of the case.
4. A dialyzer according to claim 2, wherein a lubricant is  
provided between an outer surface of the elastic tube and the inner  
wall of the case.
- 25 5. A dialyzer according to claim 1, wherein the cylindrical

elastic tube comprises a plurality of elastic tubes.

6. A dialyzer according to claim 2, wherein the cylindrical elastic tube comprises a plurality of elastic tubes.

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7. A dialyzer according to claim 3, wherein the cylindrical elastic tube comprises a plurality of elastic tubes.

8. A dialyzer according to claim 4, wherein the cylindrical elastic tube comprises a plurality of elastic tubes.

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9. A dialyzer according to claim 1, wherein a concave portion for receiving and fixing the elastic tube is formed on an inner wall of the case.

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10. A dialyzer according to claim 2, wherein a concave portion for receiving and fixing the elastic tube is formed on an inner wall of the case.

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11. A dialyzer according to claim 3, wherein a concave portion for receiving and fixing the elastic tube is formed on an inner wall of the case.

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12. A dialyzer according to claim 4, wherein a concave portion for receiving and fixing the elastic tube is formed on an inner wall of the case.

13. A dialyzer according to claim 5, wherein a concave portion for receiving and fixing the elastic tube is formed on an inner wall of the case.

5        14. A dialyzer according to claim 6, wherein a concave portion for receiving and fixing the elastic tube is formed on an inner wall of the case.

10       15. A dialyzer according to claim 7, wherein a concave portion for receiving and fixing the elastic tube is formed on an inner wall of the case.

15       16. A dialyzer according to claim 8, wherein a concave portion for receiving and fixing the elastic tube is formed on an inner wall of the case.